

Cells to Surgery Quiz: September 2015

Brian J. Simmons¹, Fleta N. Bray¹, Mohammed Alsaidan¹, Stephanie Mlacker¹, Vidhi Shah¹ and Keyvan Nouri¹

Journal of Investigative Dermatology (2015) **135**, e17. doi:10.1038/jid.2015.265

Questions relate to the image as well as to selected articles in *JID*, which are listed after the questions. Answers will be posted as supplementary material. We hope you enjoy this challenge.



Reprinted from *Int J Dermatol* 53:e151 (2014) with permission from John Wiley and Sons.

QUESTIONS

1. The principal finding in the clinical images is which of the following?
 - a. Sebaceous gland hyperplasia.
 - b. Folliculitis secondary to *Propionibacterium acnes*.
 - c. Closed comedones.
 - d. Milia.

¹Department of Dermatology and Cutaneous Surgery, University of Miami Miller School of Medicine, Miami, Florida, USA

Correspondence: Keyvan Nouri, Sylvester Comprehensive Cancer Center, UHealth–University of Miami Health System, 1475 NW 12th Avenue, Suite 2175, Miami, Florida 33136, USA. E-mail: knouri@med.miami.edu

2. In the study by Jalian *et al.*, lesions that were treated by cryotherapy in both a murine model and a human pilot study showed elevations in which of the following?
 - a. Lipid content.
 - b. Ki67.
 - c. Keratin 15.
 - d. All of the above.
 - e. None of the above.
3. In lesions targeted with cryotherapy, which of the following parameters were important to achieve selective cryolysis of targeted tissues in the murine model?
 - a. Rate of cooling.
 - b. Duration of exposure to cold.
 - c. Target temperature.
 - d. All of the above.
 - e. None of the above.

TOPIC ARTICLE

The questions refer to the following article:

Jalian HR, Tam J, Vuong LN *et al.* (2015) Selective cryolysis of sebaceous glands. *J Invest Dermatol* 135:2173–80

Answers are available as supplementary material at <http://dx.doi.org/10.1038/jid.2015.265>.